

What is claimed is:

1. A low-nitrogen content, high molecular weight, phenol-formaldehyde resin having a nitrogen content of from 0 to 3%, a viscosity of about 20 to 2000 cps, and a
5 molar ratio of formaldehyde/phenol of from 1.2 to 3.0.

2. The resin of Claim 1 wherein the low-nitrogen content, high molecular weight, phenol-formaldehyde resin has a solids content of from about 10 to 70%.

10 3. The resin of Claim 2 wherein the low-nitrogen content, high molecular weight, phenol-formaldehyde resin has a pH of from about 7 to 14.

4. The resin of Claim 1 wherein the low-nitrogen content, high molecular weight, phenol-formaldehyde resin has an alkalinity of from about 4 to 15.
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5. A low-nitrogen content, high molecular weight, phenol-formaldehyde resin having a nitrogen content of from 0 to 1%, a viscosity of about 50 to 300 cps, and a molar ratio of formaldehyde/phenol of from 1.2 to 2.0.

20 6. The resin of Claim 5 wherein the low-nitrogen content, high molecular weight, phenol-formaldehyde resin has a solids content of from about 40 to 60%.

7. The resin of Claim 5 wherein the low-nitrogen content, high molecular weight, phenol-formaldehyde resin has a pH of from about 9 to 12.
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8. The resin of Claim 5 wherein the low-nitrogen content, high molecular weight, phenol-formaldehyde resin has an alkalinity of from about 4 to 15.
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